

TERMS OF USE REYFILM BIO

1. GENERAL

This document contains recommendations and guarantees for the use of biodegradable mulch manufactured and commercialized by Reyenvas under the name Reyfilm-Bio.

This type of mulch provides the same advantages for the crop as traditional PE mulch, with the added value that after use, the mulch doesn't need to be removed from the field for proper waste management, as they will biodegrade directly in the field. To accelerate biodegradation, it is recommended to bury the remaining film at the end of its useful life.

2. SOIL PREPARATION

The preparation of the soil is very important. The ground must be clean and without prominent stones or any sharp object that could damage the film. The film should not be placed after the application of organic fertilization, until at least 4 weeks have passed since this can accelerate biodegradation, due to the microbial activity associated with the fertilizer.

3. INSTALLATION OF THE MULCH

Traditional machines can be used to place the mulch, but the tension of the film must be reduced, as well as the speed of the machine. It is also necessary to work on un-compressed soil to avoid the risk of tearing the film with lumps that may exist. The mulch must be properly fixed to prevent it from being torn off by the wind. In addition, we must avoid passing any roller or element to smooth the film after its placement. It is preferable to do the planting immediately after the placement of the film, to take advantage of all its benefits. In any case, the plantation should never be exceeded more than 4 days after the installation of the film, since premature degradation by solar radiation may occur.

4. FILM PERFORATION

The use of artisanal perforation systems should be avoided, which could cause the film to tear, reducing the lifetime of the film. It is better to do perforations, either by the manufacturer of the film, or perform them in the field using warm dies. In any case, the preferable perforations systems will be in the form of a circumference and always leaving the edges without irregularities.

5. IRRIGATION SYSTEMS

It is generally convenient to avoid direct contact of the film with water, as it can accelerate the degradation of the film. In the case of using pipe or drip irrigation tapes, direct contact with the film should be avoided to prevent from thermal degradation, for example by placing the pipe in a small groove of the soil (approx. 1 cm depth).

6. PHYTOSANITARY TREATMENTS AND USE OF FERTILISERS

Some phytosanitary products can act as prodegradants. This is the case of certain organometallic molecules (iron, zinc, copper, manganese, etc.), and of certain chlorinated, halogenated or sulfur compounds. The use of these phytosanitary elements must be limited and reasonable. Reyenvas cannot be held responsible for any damage caused to the film or the crop because of inappropriate use of phytosanitary treatments.

In general, the use of organic-based fertilizers can short the life of the biodegradable film compared to a crop without organic fertilizers.

7. DURATION

The degradation of the biodegradable mulch depends on the climatic conditions, temperature, humidity, cropping and microbiological activity of the soil. The correct or incorrect handling and installation of the film also influences on the degradation. At the time of deciding the characteristics of the mulch (thickness, color, etc.), factors such as the cultivation cycle, time of year and climatic conditions must be considered to achieve optimum film performance and duration. Given the many indicated factors, external to the film, which can modify (accelerate or delay) the degradation speed of the biodegradable mulch, Reyenvas cannot guarantee a minimum lifetime once the mulch has been placed in the soil. It is recommended to carry out specific tests in the same area and crop, before generalizing its use, to ensure that it is adequate to the expectations.

8. CONSERVATION OF THE PRODUCT

Biodegradable mulch rolls should be stored away from factors that may cause problems on the mechanical properties and film degradation. The rolls should be stored in their original packaging and protected from light, heat, and humidity. It is possible to keep the remaining biodegradable film from one season to the next, as far as these stockage and conservations conditions are followed. Handle the film with care, a stroke of the roll can damage the sides of the film and difficult the unwinding.

9. GUARANTEES AND RESPONSABILITIES

In no case will Reyenvas, S.A will be held responsible for property damage caused by the use of the film, neither in direct customers nor in any other case of its distribution lines or third parties.

Only and exclusively the replacement of the film will be attended when our Quality Department, after a technical report, determines proven defects and attributable to the film, excluding any other type of compensation.

In addition to the general exclusion clause cited above, there are specifically excluded claims arising from:

- a) Those caused by misuse or using the film without following the specific guidelines in this document.
- b) Those caused from the state of the soil, hardness, composition, humidity, etc.
- c) Those caused by abnormal or extremely adverse weather conditions: floods, wind, drought, etc.
- d) All those that have their object in the speed of the film degradation. The degradation speed can be affected by diversity of factors beyond our control.

Contact between the biodegradable film and certain crops with sensitive skin, such as Gallia melons, can cause spots and even cryptogamic diseases, as well as fragments of the film sticking to the skin of the fruit. In these cases, Reyenvas is not responsible for such incidents or possible claims that may be requested.

These conditions and guarantees are accompanied by the delivery notes and invoices for the biodegradable film, so the signing thereof implies express acceptance of them. Likewise, when the film is well marketed by a distributor, agent or third party, it is their obligation to reproduce what is specified herein and obtain acceptance from the end customer.

For the disclosure to be as wide as possible, each spool of film will also be accompanied by this information and can also be viewed on the company's website: www.reyenvas.com.

Following the recommendations shown above can help to improve the behavior of the film.

